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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/590,325	08/23/2006	Masato Yamada	136152	8103
25944 OLIFF & BERI	7590 03/19/201 RIDGE, PLC	EXAMINER		
P.O. BOX 3208	350	GEBREMARIAM, SAMUEL A		
ALEXANDRIA, VA 22320-4850			ART UNIT	PAPER NUMBER
			2811	
			NOTIFICATION DATE	DELIVERY MODE
			03/19/2010	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

OfficeAction25944@oliff.com jarmstrong@oliff.com

Office Action Summary Examiner SAMUEL A. GEBREMARIAM 2811		Application No.	Applicant(s)			
SAMUEL A. GEBREMARIAM 2811 The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE £ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.	Office Action Summary	10/590,325	YAMADA ET AL.			
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A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - In the service of time may be available under the probations of 37 CFR 1-13(b), in no event, however, may a reply be timely filled. - If No provided trough is specified above, the maximum adulatory priorist wagely and with acpase (Kg) MONTHS from the mailing date of this communication. - Fill to provide the sold to reduce the service of the reply well. by shallow, cause the application to become ABANDONED (35 U.S. C. § 133). Alter party received by the Cfics wait than three mointain each of this communication, even if timely filled. In your reduce any variety place in term adjustment. Sea. 37 CFR 1-74(b). - Status 1) Responsive to communication(s) filled on 24 December 2009. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 21-35 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 7) Claim(s) is/are allowed. 8) Claim(s) 21-35 are subjected to by the Examiner. Application Papers 9) The specification is objected to by the Examiner. Application Papers 9) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Application Papers 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Application Papers 9) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Application Papers 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Application Provided The Armondal Provided Comments have been received in this National Stage application from the International Bureau (P						
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Exhaustions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a rapty be timely filled after 5X (6) MONTHS from the mailing date of this communication. If NO product reply is specified above, the maintent stations produce will apply and off pepile SX (6) MONTHS from the mailing date of this communication. If NO product reply is produced above, the maintent stations produce will apply a control to Section 44 80 MONTHS from the image date of this communication. Product reply is produced by the Office later than the mailing clate of this communication, even if timely filed, may reduce any seared patent term adjustment. Sea 37 CFR 1.704(b). Status 1) □ Responsive to communication(s) filled on 24 December 2009. 2a) □ This action is FINAL. 2b) □ This action is non-final. 3) □ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) □ Claim(s) 21-35 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5 □ Claim(s) 21-35 is/are allowed. 5 □ Claim(s) is/are allowed. 5 □ Claim(s) 21-35 are subject to restriction and/or election requirement. Application Papers 9 □ The specification is objected to by the Examiner. 10 □ The drawing(s) filled on is/are: a) □ accepted or b) □ objected to by the Examiner. Application Papers 9 □ The specification is objected to the this required if the drawing(s) is objected to. Sea 37 CFR 1.121(d). 11 □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12 □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)·(d) or (f). a) □ All b) □ Some * ○ □ None of □ Active Priority documents have been received in this National Stage application from th		opears on the cover sheet with the o	correspondence address			
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1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)	🗖					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application						
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application 6) Other:	2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail D	ate			

Art Unit: 2811

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 21-25, drawn to a device characterized by a residual substrate portion being composed of a GaAs single crystal.

Group II, claim(s) 26-35, drawn to a process characterized by removing the separationassisting compound semiconductor layer by chemical etching.

The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features because each group includes different special technical features that define a different contribution which each of the groups considered as a whole makes over the prior art. See MPEP § 1850. Additionally the process of group II is not especially adapted to the device of group I, because it does not inherently result in the device of group I.

2. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows:

Species 1 of figs. 1-10, species 2 of figs. 11-25, species 3 of figs. 26-36, and species 4, of figs. 37-39.

Applicant is required, in reply to this action, to elect a single species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SAMUEL A. GEBREMARIAM whose telephone number is (571)272-1653. The examiner can normally be reached on 8:00am-4:30pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynne Gurley can be reached on (571) 272-1670. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Samuel A Gebremariam/ Examiner, Art Unit 2811

/SAG/ March 14, 2010